321

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What is claimed is:

1. A method of treating a human having onychomycosis of a toenail caused by *Trichophyton rubrum* or *Trichophyton mentagrophytes*, the method comprising:

topically administering to the toenail a pharmaceutical composition comprising an amount of 1,3-dihydro-5-fluoro-1-hydroxy-2,1-benzoxaborole or a pharmaceutically acceptable salt thereof, effective to inhibit an aminoacyl tRNA synthetase in the *Trichophyton rubrum* or *Trichophyton mentagrophytes*.

- 2. The method of claim 1, wherein the pharmaceutical 35 composition is in the form of a solution comprising 5% w/w of 1,3-dihydro-5-fluoro-1-hydroxy-2,1-benzoxaborole or a pharmaceutically acceptable salt thereof.
- 3. The method of claim 1, wherein the pharmaceutical composition further comprises ethanol and propylene gly-  $_{40}$  col.
- **4**. The method of claim **1**, wherein the aminoacyl tRNA synthetase is leucyl tRNA synthetase.
- 5. The method of claim 4, wherein the pharmaceutical composition is in the form of a solution comprising 5% w/w

- of 1,3-dihydro-5-fluoro-1-hydroxy-2,1-benzoxaborole or a pharmaceutically acceptable salt thereof.
- **6**. The method of claim **5**, wherein the pharmaceutical composition further comprises ethanol and propylene glycol.
- 7. The method of claim 1, wherein the administering of the pharmaceutical composition occurs once a day.
- **8**. The method of claim **6**, wherein the administering of the pharmaceutical composition occurs once a day.
- **9**. The method of claim **1**, wherein the method inhibits an aminoacyl tRNA synthetase in *Trichophyton rubrum*.
- **10**. The method of claim **1**, wherein the method inhibits an aminoacyl tRNA synthetase in *Trichophyton mentagrophytes*.
- 11. The method of claim 6, wherein the method inhibits leucyl tRNA synthetase in *Trichophyton rubrum*.
- 12. The method of claim 6, wherein the method inhibits leucyl tRNA synthetase in *Trichophyton mentagrophytes*.

\* \* \* \* \*